Claims

1.   A software package, comprising:

a variable describing a state of a device, the variable having an assigned name;

a mapping module including a mapping between the assigned name and a routine, wherein the routine accesses the variable; and

a dynamic receiving module receiving and storing, without recompiling the software package, a correlation between a common name for the variable and the assigned name, a request, including the common name of the variable being fulfilled by consulting the stored correlation.

2.   The software package according to claim 1, wherein the variable is a Management Information Base object.

3.   The software package according to claim 1, wherein the assigned name is an object identifier.

4.   The software package according to claim 1, wherein the routine is one of a get routine and a set routine.

5. The software package according to claim 1, wherein the correlation is received from a application stored on the device.

6. The software package according to claim 1, wherein the correlation between the common name for the variable and the assigned name is stored in one of a temporary memory and a permanent memory of the device.

7. A method, comprising the steps of:

receiving a correlation between a common name and an assigned name for a variable, the variable describing a state of a device;

storing the correlation in one of a temporary and permanent memory of the device, the storing of the correlation being accomplished without compiling a software package on the device; and

storing a mapping between the assigned name and a routine, wherein the routine accesses the variable.

8.   The method according to claim 7, further comprising the steps of:

        receiving a request to access the variable, the request including the common name of

the variable;

        obtaining the assigned name by consulting the stored correlation;

        obtaining the routine by consulting the mapping; and

        accessing the variable using the routine.

9.   The method according to claim 7, wherein the assigned name is an object identifier.

10.   The method according to claim 7, wherein the routine is one of a set routine and a get routine.

11.   The method according to claim 7, wherein the correlation is received from a application stored

on the device.

12.   The method according to claim 11, wherein the application is a web page.

13.   A software package operating on a device, comprising:

a reading module to read software code in a file, the software code including a

correlation between a common name and an assigned name for a variable; and

a dynamic correlation module receiving the correlation from the reading module and

storing, without recompiling the software package, the correlation.

14.   The software package according to claim 13, wherein the file is a web page.

15.   The software package according to claim 13, wherein the software code includes a request to

access the variable, the reading module forwarding the request to the dynamic correlation module which

formats an updated request using the correlation.

16.   The software package according to claim 13, wherein the variable is a management information

base object and the assigned name is an object identifier.

17.   The software package according to claim 13, further comprising:

a server module receiving the software code from the reading module and streaming the

software code out of the device.

18.   The software package according to claim 17, wherein the server module includes an HTTP server.

19.   The software package according to claim 13, wherein the reading module includes a CGI get handler.

20.   The software package according to claim 13, further comprising:

        a post module receiving an additional request from outside the device to access the variable, the post module forwarding the request to the dynamic correlation module which formats an updated request using the correlation.

21.   The software package according to claim 20, wherein the post module is a CGI post handler.

22.   A method, comprising the steps of:

        reading software code in a file, the software code including a correlation between a common name and an assigned name for a variable, the variable describing a state of a device; and

dynamically storing the correlation in one of permanent memory and temporary

memory, without compiling a software system on the device.

23.   The method according to claim 22, further comprising the steps of:

receiving a request to access the variable, the request including the common name of

the variable; and

reformatting the request using the dynamically stored correlation.